



US009636806B1

(12) **United States Patent**
Lee et al.

(10) **Patent No.:** **US 9,636,806 B1**
(45) **Date of Patent:** **May 2, 2017**

(54) **MULTIPLE SIZE NUT DRIVER**

(56) **References Cited**

(71) Applicants: **David M. Lee**, Westminster, CA (US);
Mike Zwiesler, Pasadena, CA (US)

(72) Inventors: **David M. Lee**, Westminster, CA (US);
Mike Zwiesler, Pasadena, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 477 days.

(21) Appl. No.: **14/504,294**

(22) Filed: **Oct. 1, 2014**

Related U.S. Application Data

(63) Continuation-in-part of application No. 14/275,411, filed on May 12, 2014, now Pat. No. 9,573,252.

(51) **Int. Cl.**
B25B 13/00 (2006.01)
B25B 13/10 (2006.01)
B25B 13/06 (2006.01)
B25B 23/00 (2006.01)
B25B 23/16 (2006.01)

(52) **U.S. Cl.**
CPC **B25B 13/102** (2013.01); **B25B 13/06** (2013.01); **B25B 23/0035** (2013.01); **B25B 23/16** (2013.01)

(58) **Field of Classification Search**
CPC **B25B 13/102**; **B25B 13/105**; **B25B 13/06**; **B25B 23/16**
USPC **81/124.5**
See application file for complete search history.

U.S. PATENT DOCUMENTS

1,346,061 A	7/1920	Rosenberg	
1,896,949 A	2/1933	Greiner	
3,285,106 A	11/1966	Svenson	
6,330,844 B1	12/2001	Walker	
6,467,379 B1	10/2002	Wizman	
6,637,298 B1 *	10/2003	O'Brien	B25B 13/102 81/185
6,732,615 B2 *	5/2004	Layaou	B25B 13/102 81/124.5
7,150,209 B1	12/2006	Loomis	

OTHER PUBLICATIONS

Select-a-Socket Multi Wrench, sold by GadgetsGo.com, <http://gadgetsgo.com/Multiple-head-socket-ratchet-tool.html>, and <https://www.youtube.com/watch?v=VetyKs62k6l>, Jan. 29, 2013.

* cited by examiner

Primary Examiner — Bryan R Muller

(74) *Attorney, Agent, or Firm* — Quickpatents, LLC; Kevin Prince

(57) **ABSTRACT**

A nut driver for driving nuts of various sizes includes an elongated housing with opposing driver and handle ends. The driver end is open and assumes a largest size. A rigid collar and plunger are fixed about the housing and positioned at any of a number of selectable radial positions, each of which is associated with a different nut size. A plurality of nested sockets are each slidably movable by the plunger between forward and rearward positions. Each socket has a foot adapted for contacting the plunger at one of the selectable radial positions. The elongated housing is preferably separated into two sections, including a handle and a two-sided socket mechanism that includes two opposing driver ends each having sockets of different sizes.

18 Claims, 5 Drawing Sheets

